

SEQUENCE LISTING

<110> TOKAI UNIVERSITY

KYOWA HAKKO KOGYO CO., LTD.

KYOWA MEDEX CO., LTD.

<120> A diagnostic method and a diagnostic agent for  
leukemia, preleukemia and leukemic malignant hemopathy

<130> 09617.0001

<140>

<141>

<150> JP P2002-106786

<151> 2002-04-09

<160> 11

<170> PatentIn Ver. 2.1

<210> 1

<211> 302

<212> PRT

<213> Homo sapiens

<400> 1

Ala Arg Gly Ala Glu Arg Glu Trp Glu Gly Gly Trp Gly Gly Ala Gln

1

5

10

15

Glu Glu Glu Arg Glu Arg Glu Ala Leu Met Leu Lys His Leu Gln Glu

20

25

30

Ala Leu Gly Leu Pro Ala Gly Arg Gly Asp Glu Asn Pro Ala Gly Thr

35

40

45

Val Glu Gly Lys Glu Asp Trp Glu Met Glu Glu Asp Gln Gly Glu Glu  
50 55 60

Glu Glu Glu Glu Ala Thr Pro Thr Pro Ser Ser Gly Pro Ser Pro Ser  
65 70 75 80

Pro Thr Pro Glu Asp Ile Val Thr Tyr Ile Leu Gly Arg Leu Ala Gly  
85 90 95

Leu Asp Ala Gly Leu His Gln Leu His Val Arg Leu His Ala Leu Asp  
100 105 110

Thr Arg Val Val Glu Leu Thr Gln Gly Leu Arg Gln Leu Arg Asn Ala  
115 120 125

Ala Gly Asp Thr Arg Asp Ala Val Gln Ala Leu Gln Glu Ala Gln Gly  
130 135 140

Arg Ala Glu Arg Glu His Gly Arg Leu Glu Gly Cys Leu Lys Gly Leu  
145 150 155 160

Arg Leu Gly His Lys Cys Phe Leu Leu Ser Arg Asp Phe Glu Ala Gln  
165 170 175

Ala Ala Ala Gln Ala Arg Cys Thr Ala Arg Gly Gly Ser Leu Ala Gln  
180 185 190

Pro Ala Asp Arg Gln Gln Met Glu Ala Leu Thr Arg Tyr Leu Arg Ala  
195 200 205

Ala Leu Ala Pro Tyr Asn Trp Pro Val Trp Leu Gly Val His Asp Arg  
210 215 220

Arg Ala Glu Gly Leu Tyr Leu Phe Glu Asn Gly Gln Arg Val Ser Phe  
225 230 235 240

Phe Ala Trp His Arg Ser Pro Arg Pro Glu Leu Gly Ala Gln Pro Ser  
245 250 255

Ala Ser Pro His Pro Leu Ser Pro Asp Gln Pro Asn Gly Gly Thr Leu  
260 265 270

Glu Asn Cys Val Ala Gln Ala Ser Asp Asp Gly Ser Trp Trp Asp His  
275 280 285

Asp Cys Gln Arg Arg Leu Tyr Tyr Val Cys Glu Phe Pro Phe  
290 295 300

<210> 2

<211> 224

<212> PRT

<213> Homo sapiens

<400> 2

Ala Arg Gly Ala Glu Arg Glu Trp Glu Gly Gly Trp Gly Gly Ala Gln  
1 5 10 15

Glu Glu Glu Arg Glu Arg Glu Ala Leu Met Leu Lys His Leu Gln Glu  
20 25 30

Ala Leu Gly Leu Pro Ala Gly Arg Gly Asp Glu Asn Pro Ala Gly Thr  
35 40 45

Val Glu Gly Lys Glu Asp Trp Glu Met Glu Glu Asp Gln Gly Glu Glu  
50 55 60

Glu Glu Glu Glu Ala Thr Pro Thr Pro Ser Ser Gly Pro Ser Pro Ser  
65 70 75 80

Pro Thr Pro Glu Asp Ile Val Thr Tyr Ile Leu Gly Arg Leu Ala Gly  
85 90 95

Leu Asp Ala Gly Leu His Gln Leu His Val Arg Leu His Ala Leu Asp  
100 105 110

Thr Arg Val Val Glu Leu Thr Gln Gly Leu Arg Gln Leu Arg Asn Ala  
115 120 125

Ala Gly Asp Thr Arg Asp Ala Val Gln Ala Leu Gln Glu Ala Gln Gly  
130 135 140

Arg Ala Glu Arg Glu His Gly Arg Leu Glu Gly Cys Leu Lys Gly Leu  
145 150 155 160

Arg Leu Gly His Lys Cys Phe Leu Leu Ser Arg Asp Phe Glu Ala Gln  
165 170 175

Pro Ser Ala Ser Pro His Pro Leu Ser Pro Asp Gln Pro Asn Gly Gly  
180 185 190

Thr Leu Glu Asn Cys Val Ala Gln Ala Ser Asp Asp Gly Ser Trp Trp  
195 200 205

Asp His Asp Cys Gln Arg Arg Leu Tyr Tyr Val Cys Glu Phe Pro Phe  
210 215 220

<210> 3

<211> 248

<212> PRT

<213> Homo sapiens

<400> 3

Glu Gly Ile Cys Arg Asn Arg Val Thr Asn Asn Val Lys Asp Val Thr  
1 5 10 15

Lys Leu Val Ala Asn Leu Pro Lys Asp Tyr Met Ile Thr Leu Lys Tyr  
20 25 30

Val Pro Gly Met Asp Val Leu Pro Ser His Cys Trp Ile Ser Glu Met  
35 40 45

Val Val Gln Leu Ser Asp Ser Leu Thr Asp Leu Leu Asp Lys Phe Ser  
50 55 60

Asn Ile Ser Glu Gly Leu Ser Asn Tyr Ser Ile Ile Asp Lys Leu Val  
65 70 75 80

Asn Ile Val Asp Asp Leu Val Glu Cys Val Lys Glu Asn Ser Ser Lys  
85 90 95

Asp Leu Lys Lys Ser Phe Lys Ser Pro Glu Pro Arg Leu Phe Thr Pro  
100 105 110

Glu Glu Phe Phe Arg Ile Phe Asn Arg Ser Ile Asp Ala Phe Lys Asp  
115 120 125

Phe Val Val Ala Ser Glu Thr Ser Asp Cys Val Val Ser Ser Thr Leu  
130 135 140

Ser Pro Glu Lys Asp Ser Arg Val Ser Val Thr Lys Pro Phe Met Leu  
145 150 155 160

Pro Pro Val Ala Ala Ser Ser Leu Arg Asn Asp Ser Ser Ser Ser Asn  
165 170 175

Arg Lys Ala Lys Asn Pro Pro Gly Asp Ser Ser Leu His Trp Ala Ala  
180 185 190

Met Ala Leu Pro Ala Leu Phe Ser Leu Ile Ile Gly Phe Ala Phe Gly  
195 200 205

Ala Leu Tyr Trp Lys Lys Arg Gln Pro Ser Leu Thr Arg Ala Val Glu  
210 215 220

Asn Ile Gln Ile Asn Glu Glu Asp Asn Glu Ile Ser Met Leu Gln Glu  
225 230 235 240

Lys Glu Arg Glu Phe Gln Glu Val  
245

<210> 4

<211> 22

<212> PRT

<213> Homo sapiens

<400> 4

Arg Glu Trp Glu Gly Gly Gly Trp Gly Gly Ala Gln Glu Glu Glu Arg  
1 5 10 15

Glu Arg Glu Ala Leu Cys  
20

<210> 5

<211> 10

<212> PRT

<213> Homo sapiens

<400> 5

Ala Arg Gly Ala Glu Arg Glu Trp Glu Gly  
1 5 10

<210> 6

<211> 10

<212> PRT

<213> Homo sapiens

<220>

<221> unsure

<222> (1)

<223> Xaa is unsure

<400> 6

Xaa Leu Gln Glu Ala Leu Gly Leu Pro Ala

1 5 10

<210> 7

<211> 10

<212> PRT

<213> Homo sapiens

<400> 7

Asp Gln Gly Glu Glu Glu Glu Glu Ala

1 5 10

<210> 8

<211> 22

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: oligo DNA base sequence

<400> 8

cccatcacca tcttccagga gc

22

<210> 9

<211> 26

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: oligo DNA base sequence

<400> 9

ttcaccacct tcttgatgtc atcata

26

<210> 10

<211> 19

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: DNA primer

<400> 10

gtcctctttt ccctcaaca

19

<210> 11

<211> 18

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: DNA primer

<400> 11

ttttgggggc tttggtgg

18